SULY

I define

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I have the formed in include a fines character to rise of the define of the fines character to the context opening of the fines character, as crypton copyly bearing including character means for mentioning a supply of crypton and a line wall adjusted to the businer block, the bear well being farmed to include first spaces means for the fines character and second spectures means for the fines character and second spectures means and first spaces means and first spaces are specific or crypton.

In the businer block, the decisionly means farmed:

In the businer block of the decision of the base wall and the first spectrum means farmed in the base wall.

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13. A burner assembly for combining saygen and fuel to produce a filme, the burner assembly comprising

a burner block formed to include a flame chamber having an inlat opening and an outlet opening, bypass means for conducting oxygen

cutside of the flame chamber to the outlet opening of the flame chamber;

an oxygen-supply housing including chamber means for receiving a supply of oxygen and a base wall adjacent to the burner block, the base wall being formed to include first aperture means for discharging oxygen from the chamber means into the flame chamber and second aperture means for discharging oxygen from the chamber means into the bypass/means,

wherein the discharging means further includes a removable collar engaging the nozzle and threadedly engaging the oxygen-supply housing, and

[The jumer assembly of claim 12,]wherein the oxygensupply housing includes an annular lip defining a cylindrical nozzle aperture receiving the nozzle and the removable collar includes an annular side wall surrounding and engaging the annular lip.

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16. A become assembly the combining oxygen and that to nation a flame, the burner assembly compar

a hacaer block flammel to include a flama ci est infet opening mei an omlet openin

is menns for costructing carygon o cinamizer to the order opening of the fame cin

ments for discipaning final free the fi in the bosner block.

ar oxygen-auguly housing isolacifus chami mentals a middly of continue ent a house well adjected or because going there a to the burner block, the be incincle first aperture mesons for electronging caygon from the chamber means jitto the form chamber and second specimes seems for discharging oxygen March meter meme ism the bypest ments, said first and second aperture means metering oxygen passing there supply of the through, the quest

niting a hollow shell appended to well to/dollow the chamber means thereboain the hollow shell has a pyramidal shape of heat cose triangular side wall appeared indes si to the base well and flormed to include an expension post, and

wherein the means for discharging fuel

extends through the base wall

21. A burser assembly for commonly oxygen and find to produce a firms, the borner sesembly comprising

a blumer block intened to include a financ chamber having an inlet opening and an outlet opening.

bypass mess for confocing/oxygen castile of the flame chamber to the outlet oppning of the fishes chamber, means for discharging fool/into the flame chamber ibrased l

in the burner block, and

an oxygen-supply housing including chamber means for receiving a supply of oxygen and a base well selfacest to the borner block, the base wall being formed to include that approve means for discharging oxygen or means into the flame chamber and second specture means for discherging oxygen from the chamber means into the bypess means, Said first second sperture means metering

supply of oxygen passing there the through

parally housing including a hollow shall expended to or thembohave well to define the chamber me wherein the bollow shell includes a tip and a side will extending between the tip and the base wall, the tip is formed to include an apartone, and the discharging vacuus includes a marrie Supported by the base wall and enemding through

the aperture formed in the tip and the flost aperture means formed in the base well and terminating in the inies opening of the fame chamber.

29. A borner assembly for combining oxygen and find in roduce a fiame, the burner assembly comprising

a harner block formed to include a flame/chamber having an inlet opening and an oatlet opening.

bypase means for conducting oxygen/outside of the fisine chamber to the outlet opening of the flame chamber. means for discharging fuel into the flame chamber formed

in the burner block, and

an oxygen-supply housing including chamber means for receiving a supply of oxygen and a base wall adjacent to the borner block, the base wall being formed to include first specture for discharging oxygen from the chamber means into the flame chamber and. second aperture means for discharging oxygen from the chamber means into the bypass means, Said

first and/second aperture means metering the supply of oxygen

passing/there through and with the oxygen

supply housing further including a hollow shell ppended to the base wall to define the chamber means

36. A burner assembly for combining oxygen and fiel to produce a flame, the burner assembly comprising

a burner block formed to include a fiame chambyr having an inlet opening and an outlet opening.

bypass means for conducting oxygen outside of the fiame chamber to the outlet opening of the flame chamber, means for discharging fuel into the flame chamber formed in the burner block

an oxygen-supply housing inclining chamber means for neceiving a supply of oxygen and a/nese wall adjacent to the burner block, the base wall being formed to include first specture means for discharging oxygen from the chamber means into the flame chamber and second aperture means for discharging oxygen from the chamber means into the bypass means, said first and second aperture means metering

supply of oxygen passing there

through, the burner block

being formed to include at least one oxygen-admission port lying adjacent to the base wall and communicating with the second aperture means and the bypass means being coupled in the oxygen-admission post and arranged to pass through the burner block to conduct oxygen from the chamber means through the burner block to the outlet opening of the figure chamber, the second aperture means including a plurality of wall spectures formed in the base wall, the homer block being formed/to include an oxygen-admission post communicating with each wall aperture, and frame means for supporting the burner block, the hase well being mounted on the frame means, the burner block being formed to include an annular channel around the inlet opening of the flame chamber, the frame means including means for covering the annular channel to define in annuar myger-communicating oxygen disn amnilar oxygen-conducting passageway charged from the chamber means through the wall is to the annular oxygen-conducting passageway for delivery to the outlet opening of the flame chamber through the bypass means, and

the means for discharging is supported by the base wall.

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37. A burner assembly for combining caygen and fuel to moduce a flame, the burner assembly comprising

a humer block financed to include a fizme chamber having an inlet opening and an outlet opening,

bypass means for conducting oxygen outside of the flame chamber to the outlet opening of the flame chamber, means for discharging feel into the flame chamber formed in the barner block, and

an oxygen-supply housing including chamber means for receiving a supply of oxygen and a base wall adjacent to the humer block, the base wall being formed to include first aperture means for discharging oxygen from the chamber means for discharging oxygen from the chamber means for discharging oxygen from the chamber means into the bypass means said first

and second aperture means metering the Supply of oxygen passing

there through, the discharging

means including a first discharge morals and means for fixing the fixed discharge morals in the inter opening, the fixing means being positioned to his between the base wall and the human block, the fixing means being formed to include third aperture means for conducting oxygen discharged through the first aperture means hato the flame chamber, the third aperture means defining a first effective cross-sectional area and communicating oxygen from the chamber means into the flame chamber, the second aperture means defining a second-stage oxygen port having a second effective cross-sectional area less than the first effective cross-sectional area less than the first effective cross-sectional area and communicating oxygen from the chamber means to the outlet opening of the flame chamber through the bypass means.

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